

US Application No. 09/893109
Response to Action dated 3/4 /2005
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IN THE CLAIMS

Pending Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A low noise roller chain comprising:
inner and outer links alternately arranged and articulately connected together in a longitudinal direction of the roller chain,
the inner links each having a bushing and a pair of inner plates connected to opposite ends of the bushing, respectively,
the outer links each having a pin and a pair of outer plates connected to opposite ends of the pin, respectively, the pin extending through the bushing;
a rigid roller made of metal and an elastic roller made of elastic material that are arranged end to end and fitted on the bushing so as to jointly form a roller assembly,
the elastic roller having a width along an axis of the roller assembly, which is 13 to 45% of an overall width of the roller assembly along the axis thereof, and
the elastic roller having a uniform thickness throughout the width thereof, the thickness of the elastic roller being larger than a thickness of the rigid roller by 5 to 25% of the thickness of the elastic roller,
the elastic roller being arranged in a zigzag pattern in a longitudinal direction of the roller chain, and
the roller chain comprising two or more longitudinal chain portions of uniform lengths, the zigzag pattern of the elastic rollers in one of the longitudinal chain portions being opposite in phase to the zigzag pattern of the elastic rollers in the adjacent chain portion.
2. (Canceled).
3. (Canceled).